

Search Results - Record(s) 1 through 4 of 4 returned.

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L6: Entry 1 of 4

File: USPT

Nov 9, 1999

US-PAT-NO: 5982317

DOCUMENT-IDENTIFIER: US 5982317 A

TITLE: Oversampled digital-to-analog converter based on nonlinear separation and linear recombination

DATE-ISSUED: November 9, 1999

US-CL-ISSUED: 341/143; 341/144

US-CL-CURRENT: 341/143; 341/144

INT-CL-ISSUED: [06] H03 M 3/00

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L6: Entry 2 of 4

File: USPT

Apr 30, 1991

US-PAT-NO: 5012519

DOCUMENT-IDENTIFIER: US 5012519 A

TITLE: Noise reduction system

DATE-ISSUED: April 30, 1991

US-CL-ISSUED: 381/47; 381/46

US-CL-CURRENT: 704/226; 704/225

INT-CL-ISSUED: [05] G10 L 5/00

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L6: Entry 3 of 4

File: DWPI

Oct 29, 1998

DERWENT-ACC-NO: 1998-584001

ABSTRACTED-PUB-NO: US 5982317A

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TITLE: Digital-to-analogue converter system - separates multibit digital input signal into main signal and compensation signal, with mismatch shaping DAC receiving compensation signal and providing analogue compensation signal

INT-CL (IPC): H03 M 1/08, H03 M 3/00, H03 M 3/02

Derwent-CL (DC): U21

EPI Codes: U21-A04;

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L6: Entry 4 of 4

File: DWPI

Apr 30, 1991

DERWENT-ACC-NO: 1991-140543

ABSTRACTED-PUB-NO: US 5012519A

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TITLE: Noise reduction for speech recognition system - has voice operated switch detect noise-only input to gate background noise estimator and residual noise estimator

INT-CL (IPC): G10 L 5/00

Derwent-CL (DC): P86, W04

EPI Codes: W04-G; W04-V01;

US-CL-ISSUED: 704/225; 381/94.3, 704/226  
US-CL-CURRENT: 704/225; 381/94.3, 704/226

INT-CL-ISSUED: [07] G10 L 21/02

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L12: Entry 9 of 31

File: USPT

Nov 9, 1999

US-PAT-NO: 5982317  
DOCUMENT-IDENTIFIER: US 5982317 A

TITLE: Oversampled digital-to-analog converter based on nonlinear separation and linear recombination

DATE-ISSUED: November 9, 1999

US-CL-ISSUED: 341/143; 341/144  
US-CL-CURRENT: 341/143; 341/144

INT-CL-ISSUED: [06] H03 M 3/00

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L12: Entry 10 of 31

File: USPT

May 11, 1999

US-PAT-NO: 5903819  
DOCUMENT-IDENTIFIER: US 5903819 A  
**\*\* See image for Certificate of Correction \*\***

TITLE: Noise suppressor circuit and associated method for suppressing periodic interference component portions of a communication signal

DATE-ISSUED: May 11, 1999

US-CL-ISSUED: 455/63; 455/570, 455/297, 375/285, 375/346  
US-CL-CURRENT: 455/63.1; 375/285, 375/346, 455/297, 455/570

INT-CL-ISSUED: [06] H04 B 15/00

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L12: Entry 11 of 31

File: USPT

Oct 8, 1996

US-PAT-NO: 5563944  
DOCUMENT-IDENTIFIER: US 5563944 A

TITLE: Echo canceller with adaptive suppression of residual echo level

DATE-ISSUED: October 8, 1996

US-CL-ISSUED: 379/410; 379/406, 370/32.1  
US-CL-CURRENT: 379/406.04; 370/289

INT-CL-ISSUED: [06] H04 B 3/20

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L12: Entry 12 of 31

File: USPT

Aug 27, 1996

US-PAT-NO: 5550924  
DOCUMENT-IDENTIFIER: US 5550924 A  
**\*\* See image for Certificate of Correction \*\***

TITLE: Reduction of background noise for speech enhancement

Search Results - Record(s) 1 through 31 of 31 returned.

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L12: Entry 1 of 31

File: USPT

Oct 26, 2004

US-PAT-NO: 6810273

DOCUMENT-IDENTIFIER: US 6810273 B1

TITLE: Noise suppression

DATE-ISSUED: October 26, 2004

US-CL-ISSUED: 455/570; 455/63.1, 455/296, 370/286, 379/406.01

US-CL-CURRENT: 455/570; 370/286, 379/406.01, 455/296, 455/63.1

INT-CL-ISSUED: [07] H04 B 1/38, H04 M 1/00, H04 M 9/08

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L12: Entry 2 of 31

File: USPT

Oct 21, 2003

US-PAT-NO: 6636604

DOCUMENT-IDENTIFIER: US 6636604 B1

TITLE: Method and device for suppressing echo in a hands free device such as a telephone

DATE-ISSUED: October 21, 2003

US-CL-ISSUED: 379/406.01; 379/406.02, 379/406.05, 379/406.06, 379/406.07, 379/406.08, 379/406.1

US-CL-CURRENT: 379/406.01; 379/406.02, 379/406.05, 379/406.06, 379/406.07, 379/406.08,  
379/406.1

INT-CL-ISSUED: [07] H04 M 9/08

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L12: Entry 3 of 31

File: USPT

Jul 8, 2003

US-PAT-NO: 6591234

DOCUMENT-IDENTIFIER: US 6591234 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for adaptively suppressing noise

DATE-ISSUED: July 8, 2003

US-CL-ISSUED: 704/225; 704/226, 704/228, 704/233, 704/268

US-CL-CURRENT: 704/225; 704/226, 704/228, 704/233, 704/268

INT-CL-ISSUED: [07] G10 L 21/02

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L12: Entry 4 of 31

File: USPT

Jul 2, 2002

US-PAT-NO: 6415253

DOCUMENT-IDENTIFIER: US 6415253 B1

TITLE: Method and apparatus for enhancing noise-corrupted speech

DATE-ISSUED: July 2, 2002

US-CL-ISSUED: 704/210; 704/226, 381/94.2  
US-CL-CURRENT: 704/210; 381/94.2, 704/226

INT-CL-ISSUED: [07] G10 L 21/02

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L12: Entry 5 of 31

File: USPT

Dec 19, 2000

US-PAT-NO: 6163608  
DOCUMENT-IDENTIFIER: US 6163608 A

TITLE: Methods and apparatus for providing comfort noise in communications systems

DATE-ISSUED: December 19, 2000

US-CL-ISSUED: 379/410; 379/407  
US-CL-CURRENT: 379/406.01; 379/406.04, 379/406.09

INT-CL-ISSUED: [07] H04 M 9/08, H04 M 9/00, H04 M 1/24

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L12: Entry 6 of 31

File: USPT

Sep 19, 2000

US-PAT-NO: 6122610  
DOCUMENT-IDENTIFIER: US 6122610 A

TITLE: Noise suppression for low bitrate speech coder

DATE-ISSUED: September 19, 2000

US-CL-ISSUED: 704/226; 704/205, 704/219, 704/220, 381/94.2  
US-CL-CURRENT: 704/226; 381/94.2, 704/205, 704/219, 704/220

INT-CL-ISSUED: [07] G10 L 11/00, H04 B 15/00

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L12: Entry 7 of 31

File: USPT

Aug 1, 2000

US-PAT-NO: 6097820  
DOCUMENT-IDENTIFIER: US 6097820 A

TITLE: System and method for suppressing noise in digitally represented voice signals

DATE-ISSUED: August 1, 2000

US-CL-ISSUED: 381/94.3; 381/94.2  
US-CL-CURRENT: 381/94.3; 381/94.2

INT-CL-ISSUED: [07] H04 B 15/00

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L12: Entry 8 of 31

File: USPT

Jul 11, 2000

US-PAT-NO: 6088668  
DOCUMENT-IDENTIFIER: US 6088668 A

TITLE: Noise suppressor having weighted gain smoothing

DATE-ISSUED: July 11, 2000

DATE-ISSUED: August 27, 1996

US-CL-ISSUED: 381/94; 381/46, 381/47, 395/2.34, 395/2.35

US-CL-CURRENT: 381/94.3; 704/225, 704/226

INT-CL-ISSUED: [06] H04 B 15/00

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L12: Entry 13 of 31

File: USPT

Apr 30, 1991

US-PAT-NO: 5012519

DOCUMENT-IDENTIFIER: US 5012519 A

TITLE: Noise reduction system

DATE-ISSUED: April 30, 1991

US-CL-ISSUED: 381/47; 381/46

US-CL-CURRENT: 704/226; 704/225

INT-CL-ISSUED: [05] G10 L 5/00

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L12: Entry 14 of 31

File: USPT

Dec 16, 1986

US-PAT-NO: 4630305

DOCUMENT-IDENTIFIER: US 4630305 A

TITLE: Automatic gain selector for a noise suppression system

DATE-ISSUED: December 16, 1986

US-CL-ISSUED: 381/94; 381/68.2

US-CL-CURRENT: 381/94.3; 381/317, 381/320, 704/225, 704/226

INT-CL-ISSUED: [04] H04 B 15/00

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L12: Entry 15 of 31

File: USPT

Dec 9, 1986

US-PAT-NO: 4628529

DOCUMENT-IDENTIFIER: US 4628529 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Noise suppression system

DATE-ISSUED: December 9, 1986

US-CL-ISSUED: 381/94; 381/68.2

US-CL-CURRENT: 381/94.3; 381/317, 381/320, 704/225, 704/226

INT-CL-ISSUED: [04] H04 B 15/00

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L12: Entry 16 of 31

File: DWPI

Jul 2, 2002

DERWENT-ACC-NO: 2002-680785

ABSTRACTED-PUB-NO: US 6415253B

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TITLE: Noise suppression device for digital cellular phones, filters noise-corrupted signal based on window size determined from existence or non-existence of speech corresponding to

generated by control signal

INT-CL (IPC): G10 L 21/02

Derwent-CL (DC): P86, U24 , W01 , W04

EPI Codes: U24-G01C; U24-G03D1; W01-C01C3C; W01-C01D3C; W01-C01D3E; W04-V04A1; W04-V05A;

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L12: Entry 17 of 31

File: DWPI

Oct 13, 2004

DERWENT-ACC-NO: 2001-441393

ABSTRACTED-PUB-NO: WO 200137265A

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TITLE: Noise suppression device for a mobile terminal operating in a cellular network

INT-CL (IPC): G10 L 0/00, G10 L 21/00, G10 L 21/02, H04 B 1/38, H04 B 15/02, H04 M 1/00,  
H04 M 9/08

Derwent-CL (DC): P86, W01 , W02 , W04

EPI Codes: W01-C01C3; W01-C01C7; W01-C01D3C; W01-C08E; W02-C03C1C; W02-C06; W02-G03B9; W04-V04A1; W04-V05E;

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L12: Entry 18 of 31

File: DWPI

Aug 1, 2000

DERWENT-ACC-NO: 2000-601202

ABSTRACTED-PUB-NO: US 6097820A

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TITLE: Noise suppressor for voice communication system, transforms frame of frequency domain audio data back into time domain data, so that transformed frame of data has increased signal to noise ratio

INT-CL (IPC): H04 B 15/00

Derwent-CL (DC): W01, W04

EPI Codes: W01-C01C3C; W01-C01C7; W04-V04A1; W04-V05E;

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L12: Entry 19 of 31

File: DWPI

Jun 16, 2005

DERWENT-ACC-NO: 2000-586899

ABSTRACTED-PUB-NO: WO 200041169A

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TITLE: Noise suppression apparatus for communication system, receives voice sense signal from sensor and sub-band outputs from filter bank, to output multiple short term and long term power estimate signals

INT-CL (IPC): G10 L 19/00, G10 L 21/02

Derwent-CL (DC): P86, U22 , U24 , W01 , W04

EPI Codes: U22-G01D; U24-C05B; U24-C05D; W01-C01C3; W01-C01C7; W04-V05E;

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L12: Entry 20 of 31

File: DWPI

May 9, 2002

DERWENT-ACC-NO: 2000-338817

ABSTRACTED-PUB-NO: US 6122610A

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TITLE: Noise suppression method for use in low bit rate speech coder involves determining noise suppression frequency response based on which input signal current block is shaped

INT-CL (IPC): G10 L 5/06, G10 L 7/06, G10 L 7/08, G10 L 9/06, G10 L 9/18, G10 L 11/00,  
G10 L 13/00, G10 L 15/00, G10 L 15/20, G10 L 19/02, G10 L 21/02, H04 B 15/00

Derwent-CL (DC): P86, W01 , W02 , W04

EPI Codes: W01-B05A1A; W02-C03C1A; W02-C06; W04-V05; W04-V05E;

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DERWENT-ACC-NO: 2000-117014  
ABSTRACTED-PUB-NO: US 6088668A  
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TITLE: Noise suppressor with signal to noise determiner, SNR, channel gain determiner, gain smoother and multiplier, SNR finds signal to noise per channel of input signal

INT-CL (IPC): G09 B 5/00, G10 L 3/02, G10 L 19/02, G10 L 21/02, H04 B 1/10, H04 B 15/00  
Derwent-CL (DC): P85, P86 , T01 , U22 , W01 , W04  
EPI Codes: T01-J08A2; T01-J18; U22-G05B; W01-C01C3C; W01-C01C7; W04-G03; W04-V05E;

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DERWENT-ACC-NO: 1999-478856  
ABSTRACTED-PUB-NO: US 6163608A  
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TITLE: Echo suppression device used in vehicle handsfree telephones

INT-CL (IPC): H04 B 3/20, H04 M 0/00, H04 M 1/24, H04 M 1/60, H04 M 5/08, H04 M 9/00,  
H04 M 9/08  
Derwent-CL (DC): U22, W01 , W02  
EPI Codes: U22-G01D; U22-G05B; W01-C01C3E; W01-C01C7; W01-C01D3B; W01-C01G2; W02-C01C1; W02-C03E2;

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DERWENT-ACC-NO: 1999-348241  
ABSTRACTED-PUB-NO: DE 19753224A  
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TITLE: Echo suppressor for loudspeaker telephone

INT-CL (IPC): H03 G 3/20, H03 H 21/00, H04 B 1/40, H04 B 3/23, H04 B 17/00, H04 M 1/60,  
H04 M 9/08  
Derwent-CL (DC): U22, U24 , U25 , W01  
EPI Codes: U22-G01A5; U24-C01; U25-E05A; W01-C01C1B; W01-C01C3E; W01-C01G2;

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DERWENT-ACC-NO: 1998-584001  
ABSTRACTED-PUB-NO: US 5982317A  
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TITLE: Digital-to-analogue converter system - separates multibit digital input signal into main signal and compensation signal, with mismatch shaping DAC receiving compensation signal and providing analogue compensation signal

INT-CL (IPC): H03 M 1/08, H03 M 3/00, H03 M 3/02  
Derwent-CL (DC): U21  
EPI Codes: U21-A04;

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DERWENT-ACC-NO: 1997-471088  
ABSTRACTED-PUB-NO: US 5903819A  
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TITLE: Noise suppression of periodic interference in communications signal - estimates time-domain periodic noise components in signal, and subtracts same, achieving noise suppression

without significant signal delay

INT-CL (IPC): G10 K 11/178, G10 L 3/02, G10 L 21/02, H04 B 15/00  
Derwent-CL (DC): P86, W01 , W04  
EPI Codes: W01-C01C3C; W01-C01C7; W01-C01D3; W04-V05E; W04-V09;

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L12: Entry 26 of 31

File: DWPI

Mar 9, 2005

DERWENT-ACC-NO: 1995-067065  
ABSTRACTED-PUB-NO: EP 707763B  
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TITLE: Background noise suppression appts. for teleconference system - divides signal into frames for notch filtering before performing fast Fourier transform and noise estimation

INT-CL (IPC): G10 L 9/00, G10 L 13/00, G10 L 21/02, H03 H 17/02, H04 B 1/10, H04 B 15/00,  
H04 S 1/00  
Derwent-CL (DC): P86, T01 , W01 , W02 , W04  
EPI Codes: T01-J04B; W01-C01C3; W01-C01G5; W02-F08; W04-V05E;

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L12: Entry 27 of 31

File: DWPI

Jul 6, 1994

DERWENT-ACC-NO: 1994-210211  
ABSTRACTED-PUB-NO: EP 604948A  
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TITLE: Echo canceller for long distance telephone network - has communication state detector which produces inhibit signal when receive-in signal is greater than send-in signal to prevent production echo estimation signal

INT-CL (IPC): H04 B 3/20, H04 B 3/23  
Derwent-CL (DC): W01, W02  
EPI Codes: W01-C08E; W02-C01C1B;

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L12: Entry 28 of 31

File: DWPI

Apr 30, 1991

DERWENT-ACC-NO: 1991-140543  
ABSTRACTED-PUB-NO: US 5012519A  
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TITLE: Noise reduction for speech recognition system - has voice operated switch detect noise-only input to gate background noise estimator and residual noise estimator

INT-CL (IPC): G10 L 5/00  
Derwent-CL (DC): P86, W04  
EPI Codes: W04-G; W04-V01;

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L12: Entry 29 of 31

File: DWPI

Dec 16, 1986

DERWENT-ACC-NO: 1987-007116  
ABSTRACTED-PUB-NO: EP 226613B  
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TITLE: Automatic gain selector for noise suppression system - has channel gain controller producing modification signal with individual gain values for application to channel gain modifier

INT-CL (IPC): H03 G 3/34, H04 B 15/00  
Derwent-CL (DC): P86, W02 , W04 , W06  
EPI Codes: W02-H;

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L12: Entry 30 of 31

File: DWPI

Dec 9, 1986



DERWENT-ACC-NO: 1986-346451  
ABSTRACTED-PUB-NO: EP 226613B  
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TITLE: Acoustic noise suppression system for speech communication - simulates post processed speech by multiplying pre-processed energy by modification signal channel gain value

INT-CL (IPC): H03 G 3/34, H04 B 15/00  
Derwent-CL (DC): P86, W02 , W04 , W06  
EPI Codes: W04-G; W04-Y;

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L12: Entry 31 of 31

File: DWPI

Jan 23, 1969

DERWENT-ACC-NO: 1967-04866H  
ABSTRACTED-PUB-NO: NL 6810273A  
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TITLE: Control of slime in aqueous systems  
Derwent-CL (DC): C00  
CPI Codes: C02-Z; C05-A02; C05-C03; C10-E02; C10-J02; C12-A01; C12-A02;

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[Previous Page](#)

[Next Page](#)